

We claim:

*Sub A16*

1. A non-porous catheter balloon comprising porous polytetrafluoroethylene and a non-porous coating.

*Claire*

2. A non-porous catheter balloon according to claim 1 wherein the non-porous coating comprises fluorinated ethylene propylene.

10 3. A non-porous catheter balloon according to claim 1 wherein the non-porous coating comprises an adhesive.

15 4. A non-porous catheter balloon according to claim 3 wherein the adhesive comprises a thermoplastic adhesive.

5. A non-porous catheter balloon according to claim 4 wherein the thermoplastic adhesive is a thermoplastic fluoropolymer.

20 6. A non-porous catheter balloon according to claim 1 wherein the porous polytetrafluoroethylene comprises porous expanded polytetrafluoroethylene.

7. A non-porous catheter balloon according to claim 1 wherein the balloon is an inelastic balloon.

25 8. A non-porous catheter balloon according to claim 1 wherein the non-porous coating comprises multiple layers of porous polytetrafluoroethylene.

9. A non-porous catheter balloon according to claim 1 wherein the non-porous coating is a continuous coating.

*Not C3*